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EDUCATION

B.S in Software Engineering– GPA 3.67
San Jose State University, San Jose, CA

Graduating Spring 2017

TECHNICAL SKILLS

Languages: Java, C, C++, C#, Python, Swift3, Javascript (React, AJS, Node), HTML5/CSS3, Clojure, BAT, SQL
Experience with: Git, Spark, Machine Learning, AWS, Agile, Taiga, Unity, Valgrind, MySQL, NoSQL, Unix, Linux

PROJECTS

Virtual Reality Education: *Interactive Learning Environments – C# (Unity) & HTC Vive* *Present*
• Developing immersive educational environments, such as marine life exploration and visualization of chemistry.

Machine Learning Web Crawler: *Find Scientific Articles of Interest – Python & Spark* *Present*
• Harnessing MLib's collaborative-filtering to return scientific articles about the fields of interest for researchers.

Hive: *Anonymous Location-Based Chat iOS App – Swift3 & Firebase* *Fall 2016-Present*
• Utilized AWS and node.js for push notifications, CoreLocation API for location, and JSQMQVC for the messenger.

Robotic All-Terrain-Vehicle: *Embedded Systems – C & Node.js* *Fall 2016-Present*
• Implementing a new mechanical stabilization unit for rovers to explore tougher and steeper terrains.
• Created the first dsPIC33F microcontroller SPI interface for the Pixy CMUcam5 object-r camera.

Pronet: *A Pseudo LinkedIn – Python (Django Web Application) & SQL* *Fall 2016*
• Deployed web application on an Amazon EC2 and AWS with uWSGI, nginx, and MySQL.
• Managed a team of 5 people to develop modules for the application.

Chad the Defender: *A Dodging Dino Game – Java (Android)* *Spring 2016*
• Utilized the libGDX java game development framework for the game engine and VCS for source control.
• Designed and used the Abstract Factory design pattern for the Enemy classes.

8x8x8 LED Cube: *Applied Linear Algebra Project – C (Arduino)* *Spring 2014*

EXPERIENCE

Software Engineer Intern, Yoshi Inc., *Mobile Gas Delivery Service*, Palo Alto, CA *Summer 2015-2016*
• Assisted in design of patented technology for remote entry to car's gas doors.
• Programmed Social Media automation, IoT sensors, and OBD2 iOS mobile application.

Partner, Hunter 3D, Palo Alto, CA *Dec 2014 – Present*
• Started a small business and actualized prototypes for customers using Solidworks.
• Modified the miracle.json print-configuration file and printer to extrude NinjaFlex.

Research Assistant, S.E.R.C., HSU, Arcata, CA *Jan 2014 – Aug 2014*
• Contributed to IEC technical specifications for off-grid photovoltaic lighting products.

Intern Programmer, Cognisense Labs, Arcata, CA *Summer 2013*
• Collaborated with a team to code a health monitoring system in C#.

EXTRA-CURRICULAR ACTIVITIES & HONORS

HAM Radio Volunteer, Devil Slide Ride Event *Summer 2016*
• Volunteer to help the non-profit for event communications effort.

SJSU Radio Club, Member (KM6CRJ) *Fall 2014-Present*

Tau Beta Pi, Member (Top 1/8th of Senior Class) *Fall 2015-Present*

Dean's scholar (GPA > 3.65) *Spring 2016*

HOBBIES & INTERESTS

3D printing, 3D modeling, Alto Saxophone, Animation, Film History, Game Programming, Guitar, HAM Radio